

[54] AUTOMATED RAINWATER COLLECTOR

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[57] ABSTRACT

An automated rain water collector is disclosed to collect a plurality of successive rain water samples, comprised of a reservoir into which rain water is collected and discharged, and a motor-driven turntable which holds a plurality of sample bottles. When the reservoir is filled to a predetermined volume, means, such as a liquid level sensor, actuates a valve to open same and discharge the liquid sample from the reservoir into one of the bottles at a filling station on the turntable. The valve then closes and the turntable rotates to index the next bottle beneath the reservoir at the filling station, and the operation is repeated to fill the latter bottle. When all of the bottles on the turntable have been filled, the indexing means is deactivated and liquid accumulating in the reservoir is diverted to an overflow bottle.

9 Claims, 17 Drawing Figures

